# <u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

Jean-Pierre Giraud APPLICANT:

Group Art Unit: 3727

SERIAL NOS.: 09/865,792

Examiner: S. Pollard

FILED: May 25, 2001

Attorney Docket No.: 5094.056

TITLE: Dual Wall Insulated Cup Assembly

And A Method of Manufacturing

An Insulated Cup Assembly

# CERTIFICATE OF FACSIMILE

**Examiner Steven Pollard** Attention:

As you requested, attached are the following from the corresponding PCT patent application (PCT/US01/49073):

1) International Search Report (prior to the preliminary amendment); and

2) Written Opinion (after the amendment to the claims).

The pending claims in the above-identified U.S. application are similar to the pending PCT claims.

Please do not hesitate to contact me with any additional questions. I look forward to an early disposition of this matter.

Number of pages including Facsimile cover page \_\_\_\_\_\_\_\_.

Respectfully submitted, GREENBERG TRAURIG

Dated: March 12, 2003

Barry J. Schindler

CORRESPONDENCE:

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## (19) World Intellectual Property Organization International Bureau



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### (43) International Publication Date 27 June 2002 (27.06.2002)

## **PCT**

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(75) Inventor/Applicant (for US only): GIRAUD,

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PCT/US01/49073

English

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US

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(81) Designated States (national): AU, BR, CA, CN, JP, KR. MX, NO, NZ. US.

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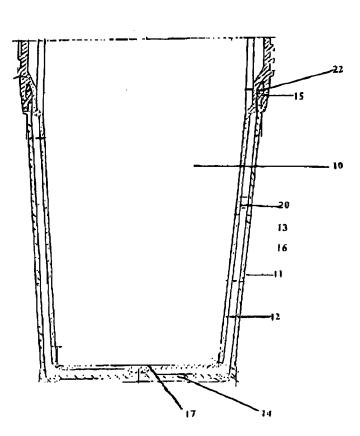
### Published:

with international search report

(88) Date of publication of the international search report: 22 August 2002

[Continued on next page]

(54) Title: A DUAL WALL INSULATED CUP ASSEMBLY AND A METHOD OF MANUFACTURING AN (NSULATED CUP **ASSEMBLY** 



(57) Abstract: A cup assembly (10) having an open end (15), comprising: (a) a dual wall cup assembly comprising: (i) an outer cup (11) having a truncated conical-like shape with side wall, larger top and smaller end, the end is closed and sealed by bottom wall (14) and the top is upen (15); (ii) an inner cup (12) having a truncated conical-like shape with side wall (13), larger top and smaller end, the end is closed and scaled by bottom wall (17); and (iii) the inner cup is configured to be receivable within the outer cup to create a gap (20) between the bottom walls; and (b) the cup assembly is a child spill-proof cup.

WO 02/049924 A3

# INTERNATIONAL SEARCH REPORT

al application No. PCT/US01/49978

	IFICATION OF SUBJECT MATTER		
	30/203 32 2D QAO	100°	
centing to	International Patent Classification (tPC) or to both us	itional classification and if	
FIELD	S SEARCHED  Amountain searched (classification system followed by	v elassification symbols)	
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	20/502.27,62.12, 502.17,		
	on searched other than minimum documentation on t	he extent that such documents are in	icluded in the fields
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lectronic dat	ta hake consulted during the international kearch (nan	ne of data hase and, where practicable,	, search terms used)
nocii	IMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant welsim No.
	US 2,863,585 A (MESHBERG) 09 Dec		1-99
Y	US 3,225,954 A (HERRICK, ET. AL.) (1-4	28 December 1965, See fig.	1-99
Y	US 3,295,709 A (HERRICK, ET. AL.)	1-99	
A	US 6,010,027 A (FUIII, ET. AL.) 04		
Y	US 6,050,443 A (TUNG) 18 April 200	0, See fig. 1 - 4	1-99
Y	US 5,894,948 A (YEH) 20 April 1999	See the entire document.	1-99
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Furt	her documents are listed in the continuation of Box C	See pacent family names.	
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liav PCT		STEVEN M. POLLARD	Paralogal Specialist Group 3700
Facsimile	ton, D.C., 2020) No. (700) 205-2280	Telephone No. (705) 308-1029	Glorina 100

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GREENBERG/TRAURIG > 7#010000#17033087769

PATENT COOPERATION TREATY

NO.861

**D**04

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

BARRY J. SCHINDLER DREIER & BARITZ, LLP

499 PARK AVENUE NEW YORY, NEW YORK 10092		WRITTEN OPINION (PCT Rule 66)	
·		Date of Mailing (day/manth/year)	<b>24</b> JAN 2003
Applicant's or agent's life reference PCT 509+.056		REPLY DUE within TWO months from the above date of mailing	
International application No. PCT/US01/49073	International filing da		Priority dace (day/month/year) 18 DECEMBER 2000
International Patent Classification (II IPC(7): B65D 6/00 and US Cl.:	PC) or both national classi 120/592.27	fication and IPC	
Applicant CAPITOL INSULATED PRODU	CTS INC.		
CAPITOL INSULATED I ROOC			

	This written	opinion is the first (first,	etc.) drawn by this Internation	onal Preliminary Examining Authoricy.
	This opinion	contains indications relating to the follo	wing items:	
	ιx	Basis of the opinion		
	" 🗀	Priority		
	· · · · ·	Non-establishment of opinion with reg	ard to novelty, inventive step	or industrial applicability
	ıv 🗀	Lack of unity of invention		
	ν s	Reasoned scatement under Rule 66.2(a) citations and explanations supporting s	(ii) with regard to novelty, in such statement	STATE OF THE PARTY AND STATE OF THE PARTY AND PARTY AND PARTY.
	۸۱ 🗀	Certain documents cited		
	VII 🗌	Certain defects in the international app	olication	JAN 2 9 2003
	VIII 🗌	Certain observations on the internation	na) application	DREIER & BARITZ LLP
<b>5</b> .	The applican	t is hereby invited to reply to this opini	on.	Description of the Control of the Co
	When?	≜शार्वभाग <del>ांरप् रत-द्वाचामध</del> -धान- <del>७४६०मधांकान,</del> भटट	~ Martie filial(as):	<del>spiracian af that time limit, request this</del>
	How?	By submitting a written reply, accome for the form and the language of the	apanied, where appropriate, by e amendments, see Rules 66.8	y amendments, according to Rule 66.3. Fand 66.9.
	Also	For an additional opportunity to sult For the examiner's obligation to con For an informal communication with	isider amendments and/or arp 1 the examiner, see Rule 66.6.	fullents, see Rine on 7 Ms.
	If no reply	is filed, the international preliminary e	xamination report will be esti	ablished on the basis of this opinion.
ኍ.	The final da examination	te by which the international preliminar report must be established according t	y o Rule 69.2 is: 18 APRIL 200	
_		1)	Authorized officer	3. I. I.
Na	ime and manic	ng address of the IPEA/US		

Commissioner of Patents and Trademurks Nov PCT Washington, D.C. 20231

Facsimile No. (703) 905-8230

STEVEN M. POLLARD

Telephone No. (709) 308-1099

D05



International appli	cation No.
PCT/US01/490	73

I.	Bas	sis	f th	e opinion	
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1.	With	LeBa	nd 100	the elements of the international application:*	
				mational application as originally tiled	
	X	the	desc	cription: (See Attached)	, as originally filed
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		pag	es _	, filed with the letter of	
		pag	.es _		
	$\mathbf{x}$	the	clai	ims:	as originally filed
	ست	pag	ges _	(See Attached)	rement) under Article 19
		pag	ges _	, as amended (together with any state	iled with the demand
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		Pag	382 -	, filed with the factor	
	$\mathbf{x}$	the	dra	wings:	
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	X			quence listing part of the description: (See Attached)	, as originally filed
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	the Th	the	eleme eleme e lan	to the language, all the elements marked above were available or furnished to this Autional application was filed, unless otherwise indicated under this item, ents were available or furnished to this Authority in the following language	der Rule 23.1(b)).
	3. W	ith r awn	egare on t	d to any nucleotide and/or amino acid sequence disclosed in the international applicative basis of the sequence listing:	tion, the written opinion was
1		) <sub>cc</sub>	ntai	ined in the international application in printed form.	'
١	_			together with the international application in computer readable form.	
	<u> </u>	J		thed subsequently to this Authority in written form.	
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١		] fi	imis	shed subsequently to this Authority in computer readable form.	herond the disclosure in the
		Tir	he s item	statement that the subsequently furnished written sequence listing does not go sational application as filed has been furnished.	ocyona me diseises si me
1		] [	he si een l	tatement that the information recorded in computer readable form is identical to th furnished.	e which sequence using has
١	4. X	] 1	he a	amendments have resulted in the cancellation of:	
		[	X	the description, pages (See Attached)	
		Ī	X	the claims, Nos. (See Attached)	
		Ì	x	the drawings, sheets/Aig (See Attached)	
	5.		bcyo	pinion has been drawn as if (some of) the amendments had not been made, since ond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	
	¥ Ri in	epla (his	ceme opin	on sheers which have been furnished to the receiving Office in response to an invitation as "originally filed".	under Article 14 are referred to

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### WRITTEN OPINION

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PCT/US01/49079	

V.	Reasoned statement under Rule 66.2(a) citations and explanations supporting s	)(ii) with reg such stateme	and to novelty, inventive step or industrial int	аррисаоциу;
ι.	statement			
	Novelty (N)	Claims Claims	(Please See supplemental sheet) (Please See supplemental sheet)	YES NO
	Inventive Step (IS)	Claims Claims	(Please See supplemental sheet) (Please See supplemental sheet)	YES
	Industrial Applicability (1A)	Claims Claims	(Please See supplemental sheet) (Please See supplemental sheet)	YES

# 2. citations and explanations

Claims 9, 10, 12-18, 29, 30, 32-37, 40, 41, 49-48, and 53-61 lack an inventive step under PCT Article 33(3) as being obvious over Martin in view of Bachman, ct. al. It would have been obvious to one of ordinary skill in the art to have employed the spouted cap teaching set forth in Bachman, et. al. in the construction of the device of Martin, motivated by the spill proof achieved thereby. The degree of insulating ability employed, sufficient impact strength, volume, materials, and the dimensions employed would have been an obvious matter of engineering design choice, motivated by the desired result.

Claims 9, 10, 12-18, 29-30, 32-37, 40, 41, 43-68 and 53-61 meet the criteria under PCT Article 33(4), because the subject matter claimed can be made or used in industry.

NEW CITATIONS —
IS 2,895,636 A (MARTIN) 21 JUNE 1959, see Fig. 2 and 5 IS 5,890,621 A (BACHMAN, ET. AL.) 06 APRIL 1999, see Fig. 2 and 3

### WRITTEN OPINION

al applicacion No. PCT/US01/49079

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Shoot 10

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

## I. BASIS OF OPINION:

This opinion has been drawn on the basis of the description: page(s) 1-26, as originally filed. page(s) NONE, filed with the demand. and additional amendments: NONE

This opinion has been drawn on the basis of the claims: page(s) NONE, as originally filed. page(s) NONE, as amended under Article 19. page(s) NONE, filed with the demand. and additional amendments:

Pages 27-36, filed with the letter of 31 October 2002

This opinion has been drawn on the basis of the drawings: page(s) 1-11, as originally filed. page(s) NONE, filed with the demand. and additional amendments: NONE

This opinion has been drawn on the basis of the sequence listing part of the description; page(s) NONE, as originally filed. pages(s) NONE, filed with the demand. and additional amendments:

NONE

The amendments have resulted in the cancellation of the description, page(s) NONE. The amendments have resulted in the cancellation of the claims, No(s), 1 - 8, 11, 19 - 28, 31, 38, 39, 42, 49 - 52. The amendments have resulted in the cancellation of the drawings, sheet(s) NONE.

### V. I. REASONED STATEMENTS:

The opinion as to Novelty was positive (YES) with respect to claims 9, 10, 12-18, 29, 30, 32-37, 40, 41, 43-48, 53-61.

The opinion as to Novelty was negative (NO) with respect to claims NONE.

The opinion as to Inventive Step was positive (YES) with respect to claims NONE.

The opinion as to Inventive Step was negative (NO) with respect to claims 9, 10, 12-18, 29, 30, 32-37, 40, 41, 43 - 48, 53-

The opinion as to Industrial Applicability was positive (YES) with respect to claims 9, 10, 12-18, 29, 30, 32-37, 40, 41, 43-48, 53-61.

The opinion as to Industrial Applicability was negative (NO) with respect to claims NONE.

# 9. A cup assembly having an open end, comprising:

- (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall; and (iii) the inner cup is configured to be receivable within the outer cup to create a sealed gap between the side walls of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls of the outer and inner cups;
  - (b) air is in the sealed gap;
  - (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
  - (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested by cup insulation test method.
    - 10. A cup assembly having an open end, comprising:
  - (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material,] with a side wall, a top and an end, the end is closed and sealed by a bottom wall; and (iii) the inner cup is configured to be receivable within the outer cup to create a sealed gap

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between the side walls f an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls of the outer and inner cups;

- (b) air is in the sealed gap:
- (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about twice the time to reach 70°F compared to a comparable single wall cup, which is made of the same thermoplastic material of the outer cup and substantially the same size and shape of the outer cup, when tested by cup insulation test method.
  - 12. A cup assembly having an open end, comprising:
  - (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall; and (iii) the inner cup is configured to be receivable within the outer cup to create a sealed gap between the side walls of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls of the outer and inner cups;
    - (b) air is in the sealed gap;
    - (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed

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integrally with the cap and includes a front and rear walls that converge to an utwardly protruding tip of the spout; and

- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about twice the time to reach 70°F compared to a comparable single wall cup, which is composed of the same thermoplastic resterial of the outer cup and substantially the same size and shape of the outer cup, when tested by cup insulation test method; and
  - (c) the dual wall assembly provides sufficient impact strength so that the cup assembly does not crack or break when tested by drop test method.
    - 13. A cup assembly having an open end, comprising:
  - (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic, with side wall, a top and an end, the end is closed and scaled by a bottom wall, (iii) the side wall thickness of the inner and outer cups are about 0.05 to about 0.06 inches; and (iv) the inner cup is configured to be receivable within the outer cup to create a sealed gap between the side wall of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls wherein the gap is about 0.06 to about 0.08 inches;
    - (b) air is in the sealed gap;
    - (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and

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- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested by cup insulation test method.
  - 14. A cup assembly having an open end, comprising:
- (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall; (iii) the side wall thickness of the inner and outer cups are about 0.03 to about 0.08 inches; and (iv) the inner cup is configured to be receivable within the outer cup to create a sealed gap between side wall of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls wherein the sealed gap is about 0.04 to about 0.1 inches;
  - (b) air is in the scaled gap:
  - (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
  - (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested by cup insulation test method.
    - 15. A cup assembly having an open end, comprising:
      - (a) a dual wall cup assembly comprising: (i) an outer cup made of a

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thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall; (iii) a curve region at a bottom outside edge of the outer cup having a thickness greater than the wall thickness of the outer cup and a notch in a curve region at a bottom inside edge of the outer cup; and (iv) the inner cup is configured to be receivable within the outer cup to create a sealed gap between side wall of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls;

- (b) air is in the sealed gap;
- (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested by cup insulation test method.
  - 16. A cup assembly having an open end, comprising:
- (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and scaled by a bottom wall and the top is open, (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and scaled by a bottom wall; (iii) a curve region at a bottom outside edge of the outer cup having a thickness greater than the wall thickness of the outer cup and a n teh in a curve region at a bottom inside edge of the outer cup

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wherein the notch has a minor radius of about 0.02 to about 0.06 inches and a maj r radius of about 0.1 to about 0.3 inches; and (iv) the inner cup is configured to be receivable within the outer cup to create a scaled gap between side wall of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls; and

- (b) air is in the sealed gap;
- (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested with cup insulation test method.
  - 17. A cup assembly having an open end, comprising:
  - (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bortom wall; (iii) the side wall thickness of the inner and outer cups are about 0.03 to about 0.08 inches (iv) a curve region at a bottom outside edge of the outer cup having a thickness greater than the wall thickness of the outer cup and a notch in a curve region at a bottom inside edge of the outer cup; and (v) the inner cup is configured to be receivable within the outer cup to create a scaled gap between side wall of an inner surface of the outer cup and an outer surface of the inner

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eup and betw en the bottom walls wherein the sealed gap is about 0.04 to ab ut 0.1 inches; and

- (b) air is in the scaled gap;
- (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly protruding tip of the spout; and
- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested with cup insulation test method.
  - 18. A cup assembly having an open end, comprising:
- (a) a dual wall cup assembly comprising: (i) an outer cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall and the top is open; (ii) an inner cup made of a thermoplastic material, with a side wall, a top and an end, the end is closed and sealed by a bottom wall; and (iii) the inner cup is configured to be receivable within the outer cup to create a sealed gap between the side walls of an inner surface of the outer cup and an outer surface of the inner cup and between the bottom walls of the outer and inner cups;
  - (b) air is in the sealed gap;
  - (c) the cup assembly is a child spill-proof cup that has a removably mounting cap thereon, the cap has a spout that projects from a side upwardly, the spout is formed integrally with the cap and includes a front and rear walls that converge to an outwardly proruding tip of the spout, and a valve located adjacent to or incorporated into the spout

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wherein the valve substantially prevents a liquid from leaking out of the spout; and

- (d) the dual wall assembly provides sufficient insulation ability so that the cup assembly takes at least about 100 minutes to reach 70°F when tested with cup insulation test method.
- 29. The cup assembly of claim 9 having a valve located adjacent to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
- 30. The cup assembly of claim 10 having a valve located adjacent to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
- 32. The cup assembly of claim 12 having a valve located adjacent to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
- 33. The cup assembly of claim 13 having a valve located adjacent to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
- 34. The cup assembly of claim 14 having a value located adjacent to or incorporated into the spout wherein the value substantially prevents a liquid from leaking out of the spout.
- 35. The cup assembly of claim 15 having a valve located adjacent to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
  - 36. The cup assembly of claim 16 having a valve located adjacent to or

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incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.

- 37. The cup assembly of claim 17 having a valve located adjacont to or incorporated into the spout wherein the valve substantially prevents a liquid from leaking out of the spout.
- 40. The cup assembly of claim 29 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 41. The cup assembly of claim 30 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 43. The cup assembly of claim 32 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 44. The cup assembly of claim 33 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 45. The cup assembly of claim 34 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 46. The cup assembly of claim 35 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 47. The cup assembly of claim 36 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 48. The cup assembly of claim 37 wherein the inner cup is sufficiently sized to hold about 6 to about 9 ounces of liquid.
- 53. The cup assembly of claim 40 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.

- 54. The cup assembly of claim 41 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 55. The cup assembly of claim 42 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 56. The cup assembly of claim 43 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 57. The cup assembly of claim 44 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 58. The cup assembly of claim 45 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 59. The cup assembly of claim 46 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 60. The cup assembly of claim 47 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.
- 61. The cup assembly of claim 48 wherein the cup assembly is formed from a plastic selected from the group consisting of polypropylene, polyethylene and polyester.